

Munal Poudel

+977 9827347924 | munalpoudel13@gmail.com | munal-poudel | munal777 | Nepal

PROFESSIONAL SUMMARY

Software Engineer with hands-on experience building scalable RESTful APIs, multi-tenant web applications, and production-grade backend systems using **Python, Django, and Django REST Framework**. Proficient in **OOP principles**, MVC/MVT architecture, relational databases and Linux-based environments. Proven ability to deliver production-grade software end-to-end, from development to cloud infrastructure deployment (AWS). **Multi-hackathon winner** with a collaborative mindset and a strong drive to learn and grow in a fast-moving engineering team.

TECHNICAL SKILLS

Languages : Python, JavaScript, TypeScript, C#, SQL

Backend : Django, Django REST Framework, RESTful API Design, MVC/MVT, OOP, Celery

Frontend : React, React Native, HTML5, CSS3

Databases & ORM : PostgreSQL, MySQL, Redis, Django ORM

Cloud & DevOps : AWS (S3, Lightsail), Docker, CI/CD Pipelines, Nginx, Gunicorn, Linux

Tools & Practices: Git, GitHub Actions, WebSockets, Agile/Scrum, SDLC, REST, Debugging

PROFESSIONAL EXPERIENCE

ING Skill Academy

June 2025 – August 2025

Backend Developer Intern

Kathmandu, Nepal

- Built and maintained **RESTful APIs** following MVC patterns using Django and Django REST Framework across multiple live production systems, adhering to SDLC best practices.
- Wrote **optimized Django ORM queries** to handle large-scale PostgreSQL datasets, demonstrating solid understanding of relational databases and ORM concepts.
- Integrated machine learning models into backend workflows, applying **OOP design principles** to keep business logic modular and maintainable.
- Collaborated on a **Git-based team workflow** managing branches, resolving merge conflicts, and contributing to code reviews.

BookMyTest (bookmytest.com.np)

October 2025 – November 2025

Software Developer (Freelance)

Remote

- Sole developer responsible for the **full SDLC** from requirements gathering and system design through deployment delivering a production-ready platform on schedule.
- Designed and implemented **role-based access control (RBAC)** with custom permission classes built on top of Django's permission system, creating reusable, permission-gated API views.
- Integrated **eSewa payment gateway** with server-side HMAC signature verification and webhook handling, ensuring secure and reliable transaction processing.
- Configured **production deployment** including server setup, environment management, and Nginx configuration demonstrating comfort with Unix/Linux-based infrastructure.

PROJECTS

Door2Door | Django, DRF, React, React Native, PostgreSQL, WebSockets, AWS S3

Dec 2025 – Apr 2026

- Architected a **multi-tenant SaaS platform** using OOP and Django's MVT pattern, with isolated data models per courier company and granular role-based access control.
- Implemented **real-time parcel tracking** via Django Channels (WebSockets) and an automated pricing engine translating complex business logic into clean, testable backend services.
- Integrated **AWS S3** for KYC document and proof-of-delivery image storage, and built COD reconciliation and cash flow tracking modules with timestamped audit logs.

- Set up **CI/CD pipeline** with GitHub Actions, Gunicorn, and Nginx on AWS Lightsail gaining end-to-end exposure to cloud deployment and Agile-driven iterative development.

EDUCATION

Itahari International College

September 2023 – May 2026

BSc (Hons) Computing - affiliated with London Metropolitan University

Itahari, Nepal

- **Relevant Coursework:** Object-Oriented Programming, Database Systems, Software Engineering, Web Application Development, Computer Networks
- **Award:** AAA Scholarship - Top 10% Academic Excellence (2025)

CERTIFICATIONS & ACHIEVEMENTS

AWS Academy Cloud Foundations | *Amazon Web Services*

November 2024

Taranga Software Hackathon | *Winner - IOE Purwanchal Campus*

2026

Clash-A-Thon | *Winner - Innovation Lab, Itahari International College*

2026